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CofC

Patent 7,115,248

PATENT

**IN UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent No.: 7,115,248

Docket No: 295.072US4

Issue Date: October 3, 2006

Patentee: Sudhakar Kasina et al.

Customer No.: 21186

Confirmation No.: 9876

Title RADIOLABELED ANNEXINS

**REQUEST FOR CERTIFICATE OF CORRECTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
ATTN: CERTIFICATE OF CORRECTION BRANCH

It is requested that a Certificate of Correction be issued correcting printing errors appearing in the above-identified United States patent. Two copies of the text of the Certificate in the suggested form are enclosed.

**Pursuant to 1.20(a), enclosed please find a check in the amount of \$100.00.**

Issuance of the Certificate of Correction would neither expand nor contract the scope of the claims as properly allowed, and re-examination is not required.

The Examiner is authorized to charge any additional fees or credit overpayment to Deposit Account No.19-0743.

Respectfully Submitted  
SUDHAKAR KASINA ET AL.

**Certificate**

MAY 04 2007

By their Representatives,  
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6900

**of Correction**Date: 4-26-07By: Warren D. Woessner

Warren D. Woessner

Reg. No: 30,440

WDW:zmc

05/02/2007 MGE BREH1 00000054 7115248

CERTIFICATE UNDER 37 CFR § 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on this 30 day of April 2007. 100.00 OP

Shakalaky No Cannon  
Name

Shakalaky Cannon  
Signature

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Sudhakar Kasina et al.

Patent No.: 7,115,248

Issue Date: October 3, 2006

Title: RADIOLABELED ANNEXINS

Examiner: Hartley, Michael

Group Art Unit: 1618

Docket No: 295.072US4

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
ATTN: CERTIFICATE OF CORRECTION BRANCH

We are transmitting herewith the attached:

- ☒ A check in the amount of \$100.00 to cover the Certificate of Correction fee.
- ☒ Request for Certificate of Correction.
- ☒ Certificate of Correction Form - PTO-1050 (in duplicate)
- ☒ A return postcard.

**Please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.**

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
Customer No: 21186

By: Warren D. Woessner  
Name: Warren D. Woessner  
Reg. No. 30,440  
WDW:CMG:zmc

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Zhakelghey N. Carrion  
Name

Zhakelghey Carrion  
Signature

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (1) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the face page, in field (75), in "Inventors", in column 1, line 2, after "John" delete "M" and insert - - M. - -, therefor.

On page 2, in field (56), under "Other Publications", in column 2, line 1, delete "Afinity" and insert - - Affinity - -, therefor.

On page 2, in field (56), under "Other Publications", in column 2, line 45, delete "Anticoagulent" and insert - - Anticoagulant - -, therefor.

On page 2, in field (56), under "Other Publications", in column 2, line 45, delete "1:" and insert - - I: - -, therefor.

On page 3, in field (56), under "Other Publications", in column 1, line 14, delete "Ca2<sup>+</sup>" and insert - - Ca<sup>2+</sup> - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 33, delete "Comparitive" and insert - - Comparative - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 36, delete "Annnexins" and insert - - Annexins - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 44, delete "Conugate" and insert - - Conjugate - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 44, delete "Localisation" and insert - - Localization - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 48, delete "IIIIn" and insert - - <sup>111</sup>In - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.  
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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (2) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On page 3, in field (56), under "Other Publications", in column 2, line 50, delete "III" and insert - - 111 - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 53, delete "III" and insert - - 111 - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 58, delete "III" and insert - - 111 - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 58, delete "Deposition" and insert - - Deposition - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 65, delete "III" and insert - - 111 - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 69, delete "Fibrillation" and insert - - Fibrillation - -, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 5, delete "Biochemsityr" and insert - - Biochemistry - -, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 7, delete "Anticoagulent" and insert - - Anticoagulant - -, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 26, delete "Anticoaulant" and insert - - Anticoagulant - -, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 27, after "Platelets" insert - - : - -.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (3) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On page 4, in field (56), under "Other Publications", in column 1, line 30, delete "Asialo-glycoproteins" and insert - - Asialoglycoproteins - -, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 33, delete "III" and insert - - 111 - -, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 37, delete "III" and insert - - 111 - -, therefor.

On page 4, in field (56), under "Other Publications", in column 2, line 25, delete "CA<sup>2+</sup>" and insert - - Ca<sup>2+</sup> - -, therefor.

On page 4, in field (56), under "Other Publications", in column 2, line 30, delete "CA<sup>2+</sup>" and insert - - Ca<sup>2+</sup> - -, therefor.

In column 1, line 29, after "also" delete ",".

In column 1, lines 33-34, delete "moietyconjugate" and insert - - moiety conjugate - -, therefor.

In column 2, line 7, delete "imagable" and insert - - imageable - -, therefor.

In column 3, line 23, delete "acessible" and insert - - accessible - -, therefor.

In column 3, line 48, delete "a" and insert - - an - -, therefor.

In column 4, line 36, after "(Δ)" insert - - . - -.

In column 7, line 54, after "conjugate" delete "is".

In column 7, line 58, after "invention" delete "invention".

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (4) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 9, line 10, delete "acessible" and insert - - accessible - -, therefor.

In column 9, line 15, delete "annexin.," and insert - - annexin, - -, therefor.

In column 9, lines 49-51, delete "an esterase-sensitive  $N_xS_y$ -----by the chelating compound." and insert the same on line 48 after "multimer," as the continuation of the paragraph.

In column 9, line 55, delete "my" and insert - - may - -, therefor.

In column 9, line 57, delete "my" and insert - - may - -, therefor.

In column 11, line 51, after "(PP4)" insert - - . - -.

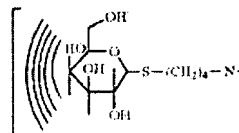
In column 12, line 30, delete "accesible" and insert - - accessible - -, therefor.

In column 13, line 2, delete "viva" and insert - - vivo - -, therefor.

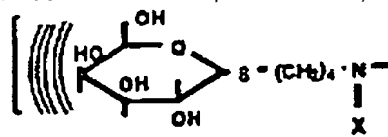
In column 14, line 10, after "For" delete "is".

In column 14, lines 23-24, delete "N-aceylgalactosamine" and insert - - N-acetylgalactosamine - -, therefor.

In columns 15-16, lines 60-67, delete"



" and insert - -



- -, therefor.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (5) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 17, line 52, delete "in art the" and insert - - in the art - -, therefor.

In column 19, line 48, after "either" delete "is".

In column 20, line 24, delete "Particulary" and insert - - Particularly - -, therefor.

In column 20, line 64, delete "heptobiliary" and insert - - hepatobiliary - -, therefor.

In column 22, line 9, after "utilized" delete "in".

In column 22, lines 43-44, delete "tetrafluorophenyl and tetrafluorophenyl" and insert - - tetrafluorophenyl - -, therefor.

In column 22, line 44, delete "tetrofluro-thiophenyl" and insert - - tetrafluoro-thiophenyl - -, therefor.

In column 23, line 11, delete "similiar" and insert - - similar - -, therefor.

In column 23, line 11, delete "utilzing" and insert - - utilizing - -, therefor.

In column 24, line 34, delete "chelationm" and insert - - chelation - -, therefor.

In column 27, line 62, after "the" delete "is".

In column 29, line 28, delete "et. al.," and insert - - et al., - -, therefor.

In column 29, line 28, after "Tait" delete "et. al.," and insert - - et al., - -, therefor.

In column 29, line 36, delete "et. al." and insert - - et al. - -, therefor.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (6) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 29, line 43, delete "springs" and insert - - Springs - -, therefor.

In column 29, line 46, delete "et. al.," and insert - - et al., - -, therefor.

In column 30, line 50, after "was" delete "is".

In column 31, line 20, delete "et. al.," and insert - - et al., - -, therefor.

In column 31, line 25, delete "et. al.," and insert - - et al., - -, therefor.

In column 34, line 63, after "of" delete "is".

In column 36, line 10, after "concentrated" insert - - . - -.

In column 36, line 10, delete "the" and insert - - The - -, therefor.

In column 39, line 22, delete "trinitro-benzenesulfonic" and insert - - trinitrobenzenesulfonic - -, therefor.

In column 40, line 3, delete "Hetrocyclic" and insert - - Heterocyclic - -, therefor.

In column 42, line 9, after "clone" insert - - . - -.

In column 42, line 44, delete "3' ; (SEQ ID NO: 4)" and insert - - 3' (SEQ ID NO: 4); - -, therefor.

In column 42, line 49, delete "(SEQ ID NO: 5)" and insert the same on line 48 after 3'.

In column 42, line 59, delete "long" and insert - - 10ng - -, therefor.

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PATENT NO : 7,115,248

Page (7) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 43, line 21, after "Inc.)" insert - - . - -.

In column 43, line 40, delete "VcDNA" and insert - - V cDNA - -, therefor.

In column 43, line 52, after "3')" insert - - (SEQ ID NO:8) - -.

In column 44, line 36, delete "Its" and insert - - its - -, therefor.

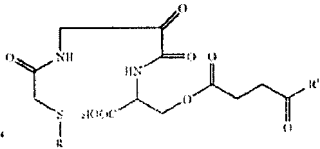
In column 44, line 44, delete "Tris HCl" and insert - - TrisHCl - -, therefor.

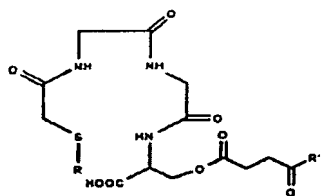
In column 44, line 46, delete "Tris HCl" and insert - - TrisHCl - -, therefor.

In column 44, line 50, delete "Tris HCl" and insert - - TrisHCl - -, therefor.

In column 44, line 52, delete "AS" and insert - - A5 - -, therefor.

In column 44, line 55, delete "Tris HCl" and insert - - TrisHCl - -, therefor.

In columns 45-46, lines 50-65, delete "  " and insert - -



- -, therefor.


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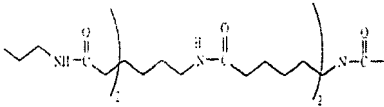
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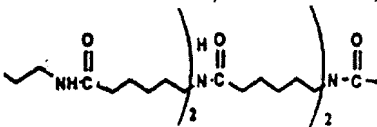
DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In columns 49-50, Structure 17, delete " $\text{--}\overset{\text{O}}{\parallel}\text{C--C(CH}_2)_5\text{N--}$ " and insert --  $\text{--}\overset{\text{O}}{\parallel}\text{C--(CH}_2)_5\text{N--}$  --, therefor.

In columns 51-52, Structure 24, delete "



--, therefor.

In columns 51-52, Below Structure 25, delete "Veriuma<sup>TM</sup>" and insert -- Verluma<sup>TM</sup> --, therefor.

In column 53, line 30, after "100.2 g" delete "is".

In column 53, line 55, delete "mol.)" and insert -- mol) --, therefor.

In column 56, line 22, after "stirred" delete "is".

In column 59, line 15, after "water)" insert -- . . . .

In column 60, line 57, delete "et. al." and insert -- et al. --, therefor.

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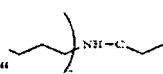

PATENT NO : 7,115,248

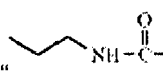
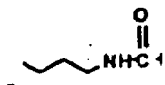
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
DATED : October 3, 2006

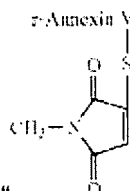
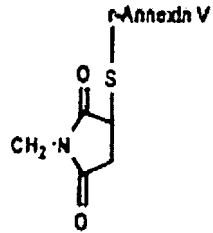
INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In columns 61-62, Structure 31, delete " " and insert --  --, therefor.

In columns 61-62, Structure 35, delete " " and insert --  --, therefor.

In column 61-62, Structure 36, delete " " and insert --  --, therefor.

In columns 61-62, Structure 36, delete " " and insert --  --, therefor.

In column 61, line 62, delete "choride." and insert -- chloride. --, therefor.

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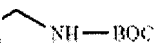
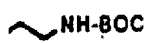
PATENT NO : 7,115,248

Page (10) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In columns 65-66, Structure 40, delete " " and insert --  --, therefor.

In columns 65-66, Below Structure 40, delete "HeOH/H<sub>2</sub>O" and insert -- MeOH/H<sub>2</sub>O --, therefor.

In column 73, line 1, delete "N<sup>1</sup>" and insert -- N' --, therefor.

In column 73, line 3, delete "N<sup>1</sup>" and insert -- N' --, therefor.

In column 73, line 9, delete "between" and insert -- between --, therefor.

In column 73, line 17, delete "compound" and insert -- compound --, therefor.


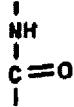
In column 73, line 18, delete "v" and insert -- V --, therefor.

In column 73, line 19, delete "Of" and insert -- of --, therefor.

In column 73, line 20, delete "N<sup>1</sup>" and insert -- N' --, therefor.

In column 73, line 29, delete "stirred" and insert -- stirred --, therefor.

In column 74, line 12, delete "derviatized" and insert -- derivatized --, therefor.

In columns 81-82, Structure 34, delete " " and insert --  --, therefor.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (11) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 83, line 18, delete "N<sup>1</sup>" and insert - - N' - -, therefor.

In column 83, line 19, delete "NAC1-a" and insert - - NAC 1-a - -, therefor.

In column 83, line 31, delete "N<sup>1</sup>" and insert - - N' - -, therefor.

In column 83, lines 32-33, delete "dimethylforma-mide," and insert - -dimethylformamide, - -, therefor.

In column 83, line 60, delete "PH" and insert - - pH - -, therefor.

In column 84, line 26, delete "et. al.;" and insert - - et al.; - -, therefor.

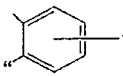
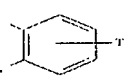
In column 84, line 34, delete "Use" and insert - - use - -, therefor.

In column 84, line 44, delete "pertechnetate" and insert - - pertechnetate - -, therefor.

In column 84, line 59, delete "pertechnetate" and insert - - pertechnetate - -, therefor.

In columns 93-94, line 46, delete "oligonucleotide" and insert - - oligonucleotide - -, therefor.

In column 95-96, line 3, delete "oligonucleotide" and insert - - oligonucleotide - -, therefor.

In column 96, lines 15-20, in Claim 10, delete  " and insert - -  - -, therefor.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (12) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 96, line 38, in Claim 14, delete "hydroxyakyl" and insert - - hydroxyalkyl - -, therefor.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (1) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the face page, in field (75), in "Inventors", in column 1, line 2, after "John" delete "M" and insert - - M. - -, therefor.

On page 2, in field (56), under "Other Publications", in column 2, line 1, delete "Afinity" and insert - - Affinity - -, therefor.

On page 2, in field (56), under "Other Publications", in column 2, line 45, delete "Anticoagulent" and insert - - Anticoagulant - -, therefor.

On page 2, in field (56), under "Other Publications", in column 2, line 45, delete "1:" and insert - - I: - -, therefor.

On page 3, in field (56), under "Other Publications", in column 1, line 14, delete "Ca2\*" and insert - - Ca<sup>2+</sup> - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 33, delete "Comparitive" and insert - - Comparative - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 36, delete "Annexins" and insert - - Annexins - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 44, delete "Conugate" and insert - - Conjugate - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 44, delete "Localisation" and insert - - Localization - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 48, delete "IIIIn" and insert - - <sup>111</sup>In - -, therefor.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (2) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On page 3, in field (56), under "Other Publications", in column 2, line 50, delete "III" and insert - - 111 - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 53, delete "III" and insert - - 111 - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 58, delete "III" and insert - - 111 - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 58, delete "Deposition" and insert - - Deposition - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 65, delete "III" and insert - - 111 - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 69, delete "Fibrillation" and insert - - Fibrillation - -, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 5, delete "Biochemsity" and insert - - Biochemistry - -, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 7, delete "Anticoagulent" and insert - - Anticoagulant - -, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 26, delete "Anticoaulant" and insert - - Anticoagulant - -, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 27, after "Platelets" insert - - : - -.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (3) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On page 4, in field (56), under "Other Publications", in column 1, line 30, delete "Asialo-glycoproteins" and insert - - Asialoglycoproteins - -, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 33, delete "III" and insert - - 111 - -, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 37, delete "III" and insert - - 111 - -, therefor.

On page 4, in field (56), under "Other Publications", in column 2, line 25, delete "CA<sup>2+</sup>" and insert - - Ca<sup>2+</sup> - -, therefor.

On page 4, in field (56), under "Other Publications", in column 2, line 30, delete "CA<sup>2+</sup>" and insert - - Ca<sup>2+</sup> - -, therefor.

In column 1, line 29, after "also" delete ",".

In column 1, lines 33-34, delete "moietyconjugate" and insert - - moiety conjugate - -, therefor.

In column 2, line 7, delete "imagable" and insert - - imageable - -, therefor.

In column 3, line 23, delete "acessible" and insert - - accessible - -, therefor.

In column 3, line 48, delete "a" and insert - - an - -, therefor.

In column 4, line 36, after "(Δ)" insert - - . - -.

In column 7, line 54, after "conjugate" delete "is".

In column 7, line 58, after "invention" delete "invention".

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (4) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 9, line 10, delete "acessible" and insert - - accessible - -, therefor.

In column 9, line 15, delete "annexin.," and insert - - annexin, - -, therefor.

In column 9, lines 49-51, delete "an esterase-sensitive  $N_xS_y$ -----by the chelating compound." and insert the same on line 48 after "multimer," as the continuation of the paragraph.

In column 9, line 55, delete "my" and insert - - may - -, therefor.

In column 9, line 57, delete "my" and insert - - may - -, therefor.

In column 11, line 51, after "(PP4)" insert - - . - -.

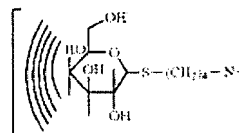
In column 12, line 30, delete "accesible" and insert - - accessible - -, therefor.

In column 13, line 2, delete "viva" and insert - - vivo - -, therefor.

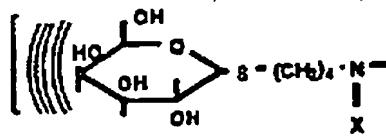
In column 14, line 10, after "For" delete "is".

In column 14, lines 23-24, delete "N-aceylgalactosamine" and insert - - N-acetylgalactosamine - -, therefor.

In columns 15-16, lines 60-67, delete"



" and insert - -



- -, therefor.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (5) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 17, line 52, delete "in art the" and insert - - in the art - -, therefor.

In column 19, line 48, after "either" delete "is".

In column 20, line 24, delete "Particulary" and insert - - Particularly - -, therefor.

In column 20, line 64, delete "heptobiliary" and insert - - hepatobiliary - -, therefor.

In column 22, line 9, after "utilized" delete "in".

In column 22, lines 43-44, delete "tetrafluorophenyl and tetrafluorophenyl" and insert - - tetrafluorophenyl - -, therefor.

In column 22, line 44, delete "tetrafluoro-thiophenyl" and insert - - tetrafluoro-thiophenyl - -, therefor.

In column 23, line 11, delete "similiar" and insert - - similar - -, therefor.

In column 23, line 11, delete "utilizing" and insert - - utilizing - -, therefor.

In column 24, line 34, delete "chelationm" and insert - - chelation - -, therefor.

In column 27, line 62, after "the" delete "is".

In column 29, line 28, delete "et. al.," and insert - - et al., - -, therefor.

In column 29, line 28, after "Tait" delete "et. al.," and insert - - et al., - -, therefor.

In column 29, line 36, delete "et. al." and insert - - et al. - -, therefor.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (6) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 29, line 43, delete "springs" and insert - - Springs - -, therefor.

In column 29, line 46, delete "et. al.," and insert - - et al., - -, therefor.

In column 30, line 50, after "was" delete "is".

In column 31, line 20, delete "et. al.," and insert - - et al., - -, therefor.

In column 31, line 25, delete "et. al.," and insert - - et al., - -, therefor.

In column 34, line 63, after "of" delete "is".

In column 36, line 10, after "concentrated" insert - - . - -.

In column 36, line 10, delete "the" and insert - - The - -, therefor.

In column 39, line 22, delete "trinitro-benzenesulfonic" and insert - - trinitrobenzenesulfonic - -, therefor.

In column 40, line 3, delete "Hetrocyclic" and insert - - Heterocyclic - -, therefor.

In column 42, line 9, after "clone" insert - - . - -.

In column 42, line 44, delete "3' ; (SEQ ID NO: 4)" and insert - - 3' (SEQ ID NO: 4); - -, therefor.

In column 42, line 49, delete "(SEQ ID NO: 5)" and insert the same on line 48 after 3'.

In column 42, line 59, delete "long" and insert - - 10ng - -, therefor.

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PATENT NO : 7,115,248

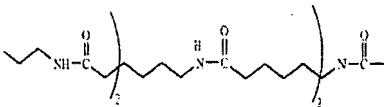
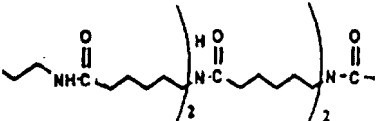
Page (8) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In columns 49-50, Structure 17, delete " $\text{-}\overset{\text{O}}{\parallel}\text{C}\text{-C}(\text{CH}_2)_5\text{N-}$ " and insert --  $\text{-}\overset{\text{O}}{\parallel}\text{C}\text{-}(\text{CH}_2)_5\text{N-}$  -- , therefor.

In columns 51-52, Structure 24, delete "" and insert --  -- , therefor.

In columns 51-52, Below Structure 25, delete "Veriuma<sup>TM</sup>" and insert -- Verluma<sup>TM</sup> -- , therefor.

In column 53, line 30, after "100.2 g" delete "is".

In column 53, line 55, delete "mol.)" and insert -- mol) -- , therefor.

In column 56, line 22, after "stirred" delete "is".

In column 59, line 15, after "water)" insert -- . -- .

In column 60, line 57, delete "et. al." and insert -- et al. -- , therefor.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (7) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 43, line 21, after "Inc.)" insert - - . - -.

In column 43, line 40, delete "VcDNA" and insert - - V cDNA - -, therefor.

In column 43, line 52, after "3)" insert - - (SEQ ID NO:8) - -.

In column 44, line 36, delete "Its" and insert - - its - -, therefor.

In column 44, line 44, delete "Tris HCl" and insert - - TrisHCl - -, therefor.

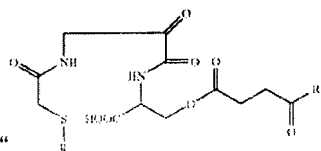
In column 44, line 46, delete "Tris HCl" and insert - - TrisHCl - -, therefor.

In column 44, line 50, delete "Tris HCl" and insert - - TrisHCl - -, therefor.

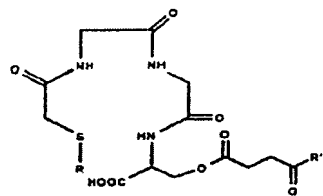
In column 44, line 52, delete "AS" and insert - - A5 - -, therefor.

In column 44, line 55, delete "Tris HCl" and insert - - TrisHCl - -, therefor.

In columns 45-46, lines 50-65, delete "



" and insert - -



- -, therefor.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

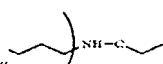
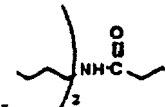
PATENT NO : 7,115,248

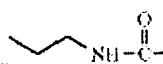

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
DATED : October 3, 2006

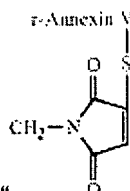
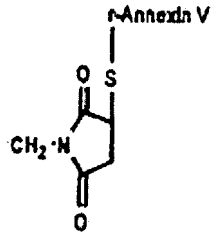
INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In columns 61-62, Structure 31, delete " " and insert --  --, therefor.

In columns 61-62, Structure 35, delete " " and insert --  --, therefor.

In column 61-62, Structure 36, delete " " and insert --  --, therefor.

In columns 61-62, Structure 36, delete " " and insert --  --, therefor.

In column 61, line 62, delete "choride." and insert -- chloride. --, therefor.


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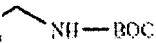
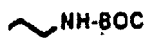
PATENT NO : 7,115,248

Page (10) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In columns 65-66, Structure 40, delete " " and insert --  --, therefor.

In columns 65-66, Below Structure 40, delete "HeOH/H<sub>2</sub>O" and insert -- MeOH/H<sub>2</sub>O --, therefor.

In column 73, line 1, delete "N<sup>1</sup>" and insert -- N' --, therefor.

In column 73, line 3, delete "N<sup>1</sup>" and insert -- N' --, therefor.

In column 73, line 9, delete "beween" and insert -- between --, therefor.

In column 73, line 17, delete "compound" and insert -- compound --, therefor.


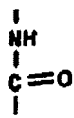
In column 73, line 18, delete "v" and insert -- V --, therefor.

In column 73, line 19, delete "Of" and insert -- of --, therefor.

In column 73, line 20, delete "N<sup>1</sup>" and insert -- N' --, therefor.

In column 73, line 29, delete "stirred" and insert -- stirred --, therefor.

In column 74, line 12, delete "derviatized" and insert -- derivatized --, therefor.

In columns 81-82, Structure 34, delete " " and insert --  --, therefor.


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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (11) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 83, line 18, delete "N<sup>1</sup>" and insert - - N' - -, therefor.

In column 83, line 19, delete "NAC1-a" and insert - - NAC 1-a - -, therefor.

In column 83, line 31, delete "N<sup>1</sup>" and insert - - N' - -, therefor.

In column 83, lines 32-33, delete "dimethylforma-mide," and insert - -dimethylformamide, - -, therefor.

In column 83, line 60, delete "PH" and insert - - pH - -, therefor.

In column 84, line 26, delete "et. al.;" and insert - - et al.; - -, therefor.

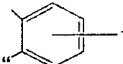

In column 84, line 34, delete "Use" and insert - - use - -, therefor.

In column 84, line 44, delete "pertechnetate" and insert - - pertechnetate - -, therefor.

In column 84, line 59, delete "pertechnetate" and insert - - pertechnetate - -, therefor.

In columns 93-94, line 46, delete "oligonucleotide" and insert - - oligonucleotide - -, therefor.

In column 95-96, line 3, delete "oligonucleotide" and insert - - oligonucleotide - -, therefor.

In column 96, lines 15-20, in Claim 10, delete  and insert - -  - -, therefor.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,115,248

Page (12) of 12

DATED : October 3, 2006

INVENTOR(S) : Kasina et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 96, line 38, in Claim 14, delete "hydroxyakyl" and insert - - hydroxyalkyl - -, therefor.

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